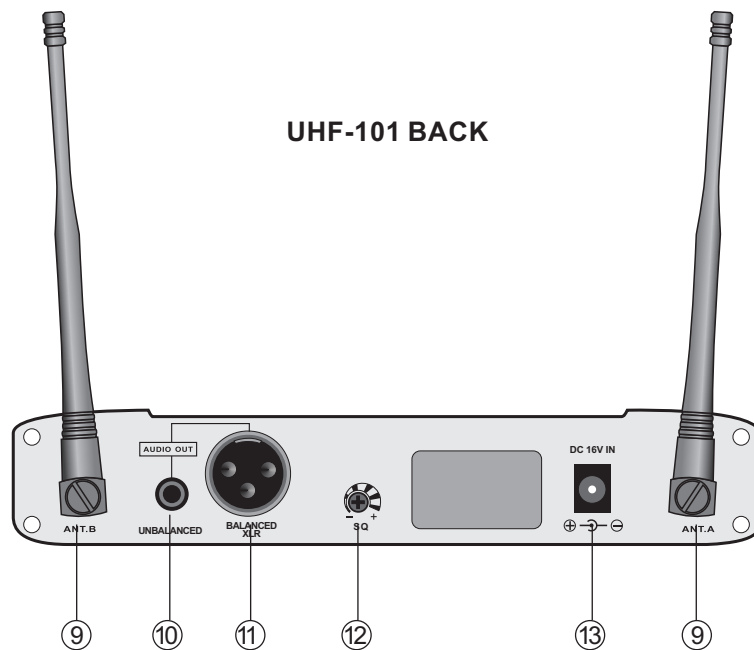




Handheld Microphone Transmitter (Figure 2)

1. **Power ON/OFF Switch.**
When this red light is glowing, you have 20 minutes or less of useful operating time; change the battery.
2. **Power and battery Indicator.**
3. **2 AA Alkaline Batteries** Provide power to the microphone transmitter. Typical battery life is 8 hours.
4. **Battery Cover.** Take off the battery cover to insert two 1.5V alkaline batteries.
5. **Rotate Frequency Selector.** Select the frequency by rotating the frequency selector.

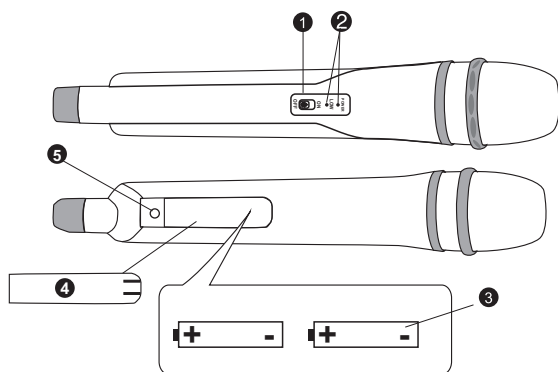


FIGURE 2

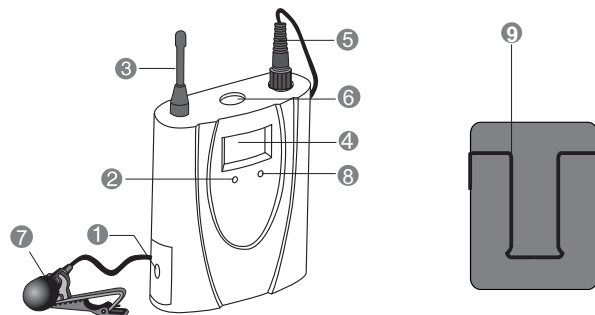


FIGURE 3

Body-Pack Transmitter (Figure 3)

1. **Battery Compartment.**
2. **Power and MIC Mute ON/OFF Switch.**
3. **Antenna.**
4. **Power and Low Battery Indicator.** When this red light is glowing, you have 20 minutes or less of useful operating time; change the battery.
5. **Microphone and Musical Instrument Input Connector.** Connector provides connection to a variety of lavalier, headset microphone, and Musical Instrument cables.
6. **Lavalier and Headset Volume**
7. **Lavalier Microphone.** Condenser lavalier microphone supplied with a mount that clips onto a tie, lapel, or acoustic instrument.
8. **Frequency Selector**
9. **Belt Clip.**

USING THE WIRELESS RECEIVER

Connecting the Wireless Receiver

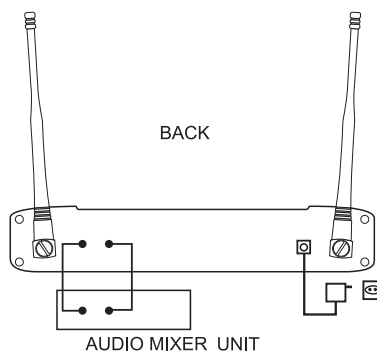


FIGURE 4

1. Connect the receiver output to the Audio Mixer unit using unbalanced, single-conductor, shielded cables with 1/4-inch phone plugs/or balanced XLR.
2. Connect the AC adapter to the POWER jack on the rear panel of the receiver.
3. Plug the AC adapter into an appropriate power outlet.

USING THE HANDHELD MICROPHONE TRANSMITTERS

Operating the Hand Microphone Transmitters (Figure 5)

1. Press the Power ON/OFF switch on the receiver to the ON position. Select the Frequency you want by rotating the Frequency Selector of the receiver.
2. Select the same frequency as receiver by rotating the Frequency Selector of the transmitter. Slide the transmitter POWER ON/OFF switch to the ON position. Check the battery level. If the LOW BATTERY indicator is lit, see Transmitter Battery Installation.
3. Check the RF indicator on the receiver to see if the radio signal is being received.
4. If the RF light is shown, begin speaking or singing.
5. During the performance or presentation, you can still change the frequency. First, you should reselect the frequency from the receiver; Second, you must slide the handheld POWER ON/OFF to OFF position, and select the frequency as the same as receiver, then slide the handheld POWER ON/OFF to ON position; Third, wait about 5 seconds, when the receiver will indicate the RF signal, you can begin speaking or singing.
6. When the performance or presentation is over, slide the transmitter Power ON/OFF switch to the OFF position to conserve battery power.

IMPORTANT : UHF-101 is a PLL wireless system, when you turn on this system, the receiver needs 5 seconds to source the partnership with the transmitter.

Transmitter Battery Installation

1. Slide the transmitter Power ON/OFF switch to the OFF position.
2. Take off the transmitter battery cover to expose the battery terminals, as shown in Figure 6.

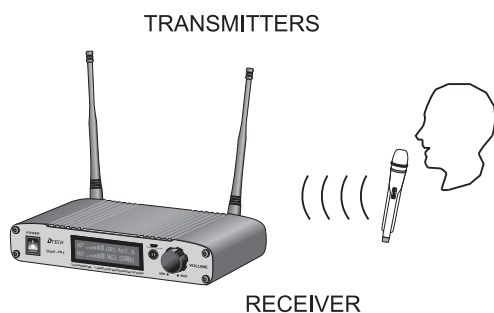


FIGURE 5

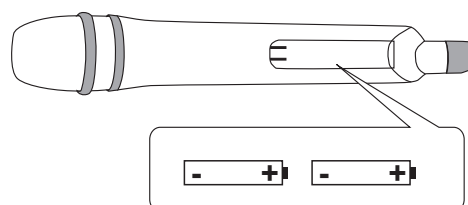


FIGURE 6

3. Insert two 1.5V AA alkaline batteries into the battery compartment as shown in Figure 6. Two fresh 1.5V alkaline batteries should typically provide 8 hours of performance time. Two fully charged 1.2V Nicad batteries (1800 mA) should provide 12 hours of performance time. When the LOW BATTERY light on the transmitter turns on, you have 20 minutes or less of useful battery life remaining. Change the battery at your first opportunity.

IMPORTANT: Carbon-zinc and zinc-chloride will not provide adequate power and are not recommended.

4. Replace the battery cover.

USING THE BODY-PACK TRANSMITTERS

Operating Body-Pack Transmitters



FIGURE 7

NOTE: The body-pack system is designed for use with other equipment, such as lavalier microphones, guitars, headset microphones, etc. Check with your dealer for details on ordering the proper equipment for your needs.

1. Press the Power ON/OFF switch on the receiver to the ON position. Select the Frequency you want by rotating the Frequency Selector of the receiver.
2. Clip the body pack transmitter to your belt or guitar strap.
3. Connect the lavalier microphone, headset or instrument adapter cable to the body-pack transmitter.
4. Select the same frequency as receiver by rotating the Frequency Selector of the receiver. Slide the transmitter POWER ON/OFF switch to the ON position. Check the battery level. If the LOW BATTERY indicator is lit, see Transmitter Battery Installation.
5. Check the RF Signal Indicator on the receiver to see if the RF signal is being received.
6. Begin speaking or playing your instrument.
7. During the performance or presentation, slide the MUTE ON/OFF switch to the ON position when the system is not being used.
8. During the performance or presentation, you can still change the frequency. First, you should reselect the frequency from the receiver; Second, you must slide the handheld POWER ON/OFF to OFF position, and select the frequency as the same as receiver, then slide the handheld POWER ON/OFF to ON position; Third, wait about 5 seconds, when the receiver will indicate the RF signal, you can begin speaking or singing.

IMPORTANT : UHF-101 is a PLL wireless system, when you turn on this system, the receiver needs 5 seconds to source the partnership with the transmitter.

9. When the performance or presentation is over, slide the transmitter Power ON/OFF switch to the OFF position to conserve battery power.

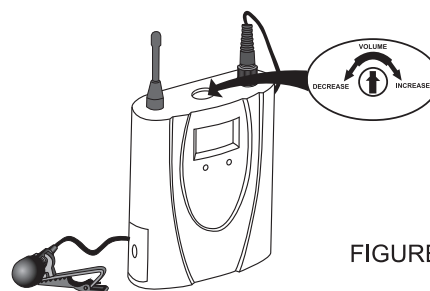
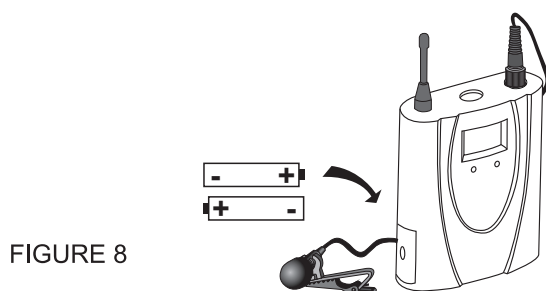
Transmitter Battery Installation

1. Slide the transmitter Power ON/OFF switch to the OFF position.
2. Slide up on the OPEN side of the battery compartment cover, flip it open, as shown in Figure 8.
3. Insert fresh 1.5V AA alkaline battery into the battery compartment as shown in Figure 8. Two fully charged 1.2V NiCad battery should provide 8 hours of performance time. When the red LOW BATTERY light on the transmitter glows, you have 20 minutes or less of useful battery life remaining; change the battery at your first opportunity.

IMPORTANT: Carbon-zinc and zinc-chloride batteries will not provide adequate power and are not recommended.

4. Replace the battery cover.

Transmitter audio gain adjustment



The transmitter audio gain control has been factory preset to provide satisfactory output.

To adjust the audio gain, locate the transmitter audio gain control and use the a screwdriver to adjust the control.

- Decrease the audio gain by turning the gain control counter clockwise (while the vocalist is singing or the musical instrument is being played).
- Increase the audio gain by turning the gain control clockwise(while the vocalist is singing or the musical instrument is being played.)

TIPS AND TROUBLESHOOTING

Tips for getting the best performance

- Maintain a line-of-sight between the transmitter and receiver antennas.
- Keep the receiver and antennas away from large metal objects.
- Avoid placing the receiver near computers or other RF generating equipment.
- Point the receiver antennas straight up.
- Avoid placing the receiver in the bottom of an equipment rack unless the antennas are remotely located.

Troubleshooting

Some common problems and their solutions are identified in the table below. If you are unable to solve a problem, contact your dealer.

Problem	Solution
No sound;RF light(S) not glowing.	• Make sure the transmitter POWER switch is ON and the receiver is plugged into a power source. • Check battery. • Check receiver squelch setting. • Check receiver antenna connection(s). • Make sure antennas are in line of sight of transmitter.
No sound;RF lights glowing.	• Turn up receiver audio VOLUME control. • Check for proper connection between receiver and Audio mixer unit.
Received signal is noisy or contains extraneous sounds with transmitter on.	• Check battery. • Remove local sources of RF interference. • If using a guitar or other instrument,check connections.Two transmitters may be operating on the same frequency.Locate and turn one off. • Signal may be too weak. Reposition antennas. If possible,move them closer to transmitter.
Noise from receiver with transmitter off.	• Adjust receiver squelch control. • Remove local sources or RF interference. • Reposition receiver or antennas.
Momentary loss of sound as transmitter is moved around performing area.	• Reposition receiver and perform another"walkthrough"test and observe the RF indicators. If audio dropouts persist, mark these"dead spots"in performing area and avoid them during performance.

SPECIFICATIONS AND INFORMATION

Specifications

RF Carrier Frequency Range

730-806 MHz

Working Range

100m(approximately 300ft)under typical conditions.

Audio Frequency Response

60 to 21,000Hz, -3dB.

Audio Output Level(+ -20KHz deviation,1 KHz tone)

1/4-inch connector(into 3k load):-8.8dBV(Hi Z)

XLR connector

RF Sensitivity

-107 dBm,typical

System Distortion (ref,+15KHz deviation,1KHz modulation)

0.4%.

Power Requirements

Handheld and lavalier:

Two 1.5V alkaline batteries. Two 1.2 V Nicad (rechargeable) are strongly recommended.

Current Drain

Transmitter: 110mA average (140mA max)

Receiver: 230mA average (300mA max)

Operating Temperature Range

-20° to 50°C (-4° to 122°F).**NOTE:** Battery characteristics may limit this range.